

**Commonwealth of Kentucky  
Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Stuart D. Ecton, BS Chemical Engineering

GENERAL INFORMATION:

Name:	Gulf States Paper Corporation
Address:	200 Stephens Drive, P.O. Box 366 Nicholasville, Kentucky
Date application received:	12-16-99
SIC/Source description:	2657
EIS #:	21-113-00003
Application log number:	G430
Permit number:	V-01-003

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major, HAPS
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(23)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

## EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM (Natural Gas)	9.00	15.37
PM (Fuel Oil)	8.53	16.70
SO <sub>2</sub> (Natural Gas)	0.05	0.05
SO <sub>2</sub> (Fuel Oil)	0.14	82.45
N0x (Natural Gas)	1.42	4.13
N0x (Fuel Oil)	1.62	11.6
CO (Natural Gas)	5.07	6.94
CO (Fuel Oil)	0.00	2.91
VOC	47.91	105.56
LEAD	NA	NA
HAPS ARE LIMITED TO LESS THAN 10/25	<b>Less Than 10/25</b>	<b>Greater Than 10/25</b>

## **SOURCE PROCESS DESCRIPTION:**

Gulf States Paper Corporation manufactures paper cartons primarily for the food industry. The following presses are used to print on the paperboard:

Two Roland 800, 6 Color Offset Presses

One constructed in 1985

One constructed in 1987 with an infrared dryer and aqueous coating unit

Sheeter with flexographic printing capability - sheeter (maximum rated capacity - 18900 lbs/hr ) controlled by the building as an enclosure at 70 % efficiency, flexographic ink (maximum rated capacity - 76 lbs/hr ), cleanup (maximum rated capacity - 1.5 lbs/hr ), natural gas dryers - 2.4 MMBtu/hr maximum rated capacity. Constructed 1998.

Roland 900, 8 Color Offset Printing Press - offset ink (maximum rated capacity -100 lbs/hr), UV inks (maximum rated capacity - 130 lbs/hr), Aqueous coating (maximum rated capacity - 234 lbs/hr), Offset cleanup (maximum rated capacity - 2 gals/hr), Etch (maximum rated capacity -2.5 lbs/hr). Constructed 1998.

Typically, a cornstarch based powder is applied to the cartons to prevent color smearing. The paper board is cut and trimmed and then put through a “jogger-aerator” to remove any extra powder and dust. The paperboard which is now shaped like boxes may be coated with wax, folded, and glued. Cellophane is applied at the Window Machine if a clear glassine area is desired in the box.

The following boilers are used to provide process heat and general building heat:

Cleaver Brooks Model CB293-175A. Rated Capacity 7.323mmBTU/hr. Natural Gas used as the primary fuel and No. 2 Fuel Oil as backup. Constructed 1971.

Superior Model 13-5-1000. Rated Capacity 8.4 mmBTU/hr. Natural Gas used as the primary fuel and No. 2 Fuel Oil as backup. Constructed 1987.

**Insignificant Activities:**

Bobst CER 140 Cutter

8 Storage Tanks with less than 10,567 capacity containing a petroleum liquid with a vapor pressure of less than 1.5 psia.

Wax Applicator

Scrap Handling

Jogger-Aerator

Platemaking

Parts Washer

Fugitive Emissions

Safety Solvent Cleanup

Four Gluing Lines

Cutting Bulk Material with Ethyl Acetate